AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1.   (Currently amended) A method of producing a polyamide nanocomposite from a partially crystalline polyamide and an organically modified layered ~~silicates~~silicate, said polyamide being processed as a first part and a second part in a single extrusion procedure in a double screw extruder having an intake,

wherein the method comprises the following steps:

(a)   dosing said ~~a~~ first part of the ~~polyamides is dosed~~polyamide as a granulate into the extruder intake and ~~melted~~melting said first part of the polyamide in the extruder,

(b)   dosing into and mixing the organically modified layered silicate ~~is dosed into~~with the melt of step (a)~~the first part of the polyamide and admixed therewith~~, in a mixture ratio ~~in the range~~ of 60 to 80 wt.% ~~of~~ polyamide and 40 to 20 wt.% ~~of~~ layered ~~silicates~~silicate,

(c)   adding said ~~a~~ second part of the polyamide ~~is added~~ to the ~~melt~~ mixture of step (c) in the double screw extruder via a side feeder or through dripping in the extruder to set the final concentration of the organically modified layered

silicate at no greater than 10 % in the melt of the polyamide

nanocomposite, and

     (d)   subjecting the resulting melt ~~is subjected~~ of the

polyamide nanocomposite to filtration, ~~and~~

     wherein all of said steps (a)-(d) are carried out in ~~a~~

the single extrusion procedure in said double screw extruder.

     2.   **(Original)** The method according to Claim 1,

     characterized in that the filtration of the melt is

performed directly before the extruder nozzle.

     3.   **(Cancelled)**

     4.   **(Previously presented)** The method according to

Claim 1,

     characterized in that wire filters having a mesh width

of at most 200 μm are used to perform the melt filtration.

     5.   **(Previously presented)** The method according to

Claim 4,

     characterized in that wire filters having a mesh width

between 50 μm and 100 μm are used to perform the melt filtration.

6.   **(Currently amended)** The method according to Claim 1,

characterized in that, with the addition of the organically modified layered silicate, a mixture ratio of 70 weight-percent of ~~polyamides~~ polyamide and 30 weight-percent of layered ~~silicates~~ silicate is produced and the second part of the ~~polyamides~~ polyamide is added to the mixture in the quantity necessary in order to achieve the final concentration of 2.5 to 6 weight-percent of the layered ~~silicates~~ silicate in the melt of the polyamide nanocomposite.

7.   **(Currently amended)** The method according to Claim 1,

characterized in that the layered ~~silicates are~~ silicate is organically modified using phosphonium salts of the formula $P-R_4-X$, R_4 representing three alkyl or aryl residues and X being a Cl, Br, or I.

8.   **(Currently amended)** The method according to Claim 1,

characterized in that the organically modified layered ~~silicates are~~ silicate is exfoliated ~~and have~~ and has an ultrafine grain having an average particle size in at least one dimension of at most 100 nm.

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9.   **(Currently amended)** The method according to Claim 1,

characterized in that the ~~polyamides are~~polyamide is selected from the group consisting of homopolyamides PA 6, PA 66, PA 46, PA 11 and PA 12.

10.   **(Currently amended)** The method according to Claim 1,

characterized in that the partially crystalline ~~polyamides are~~polyamide is admixed with a component of amorphous polyamide.

11.   **(Currently amended)** The method according to Claim 1,

characterized in that the organically modified layered ~~silicates include~~silicate includes phyllosilicates of the three-layer type (2:1).

12.   **(Withdrawn)** An injection-molded part, which is produced using a polyamide nanocomposite obtained according to the method according to Claim 1,

characterized in that it has a surface which has an average roughness value (R_a) of less than 0.05 µm and/or has an average roughness depth (R_z) of less than 4 µm.

13. **(Withdrawn)** The injection-molded part according to Claim 12,

characterized in that it includes a smooth surface having a high gloss produced by a molding tool polished to a high gloss.

14. **(Withdrawn)** A reflector for vehicle driving illuminators,

characterized in that it includes an injection molded part according to Claim 12 and is metallized directly.

15. **(Withdrawn)** A reflector for signal or street lights and/or a sub-reflector for vehicle driving illuminators,

characterized in that it includes an injection molded part according to Claim 12 and is metallized directly.

16. **(Withdrawn)** The reflector according to Claim 14,

characterized in that the metal coating is applied through PVD methods.

17. **(Currently amended)** A method of <u>manufacturing a</u> reflector, ~~using a polyamide nanocomposite molding compound produced according to Claim 1,~~ comprising injection molding ~~said~~ <u>the polyamide nanocomposite of claim 1 as a</u> molding compound <u>into</u> a reflector for vehicle driving illuminators.

18. **(Currently amended)** A method of <u>manufacturing a</u> reflector, ~~using a polyamide nanocomposite molding compound produced according to Claim 1,~~ comprising injection molding ~~said~~ <u>the polyamide nanocomposite of claim 1 as a</u> molding compound into a reflector for signal or street lights or into a sub-reflector for vehicle driving illuminators.

19. **(Previously presented)** The method of Claim 17, characterized in that a gas injection molding technique is used during injection molding.

20. **(Withdrawn)** The reflector according to Claim 15, characterized in that the metal coating is applied through PVD methods.